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# APPENDIX.

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No. I.

METEOROLOGICAL REGISTERS *communicated by Major General Thomas  
Hardwicke, M.R.A.S.*

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*Memorandum.*—The whole of the Atmospherical Phenomena recorded in the following Tables were observed and registered by Major General Hardwicke, at Dum Dum, eight miles North-east of Fort William, in Bengal.

*Thermometrical Register for the Year 1822.*

JANUARY.				FEBRUARY.			MARCH.		
Days.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.
1	7	493.5	70.5	7	505.5	72.21	7	557.5	79.64
2	7	516.	73.71	7	483.5	69.07	7	556.	79.42
3	7	502.	71.71	7	464.	66.28	7	561.5	80.21
4	7	478.5	68.35	7	465.	66.42	7	558.5	79.78
5	7	502.5	71.78	7	480.	68.57	7	585.5	83.64
6	7	487.	69.57	7	482.5	68.92	7	604.5	86.35
7	7	478.5	68.35	7	500.5	72.35	7	595.	85.
8	7	483.	69.	7	523.5	74.78	7	594.5	84.92
9	7	491.	70.14	7	550.	78.57	7	585.	83.57
10	7	489.5	69.92	7	550.5	78.64	7	586.5	83.78
11	7	487.5	69.64	7	530.	75.71	7	591.	84.42
12	7	485.5	69.35	7	540.	77.14	7	589.5	84.21
13	7	487.	69.57	7	566.5	80.92	7	594.	84.82
14	7	495.	70.71	7	547.5	78.21	7	597.	85.28
15	7	500.	71.42	7	564.5	80.64	7	586.5	83.78
16	7	497.	71.	7	563.	80.42	7	558.5	79.78
17	7	477.5	68.21	7	576.	82.28	7	563.5	80.5
18	7	488.	69.71	7	576.5	82.35	7	571.5	81.78
19	7	488.5	69.78	7	574.	82.	7	561.	80.14
20	7	493.5	70.5	7	559.5	79.92	7	582.5	83.21
21	7	502.	71.71	7	509.	72.71	7	578.	82.57
22	7	473.	67.57	7	501.	71.57	7	573.5	81.92
23	7	449.5	64.21	7	509.5	72.78	7	587.	83.85
24	7	459.	65.57	7	530.	75.71	7	587.5	83.92
25	7	487.	69.57	7	549.	78.42	7	579.	82.71
26	7	521.5	74.5	7	530.	75.71	7	672.	84.
27	7	529.5	75.64	7	546.5	78.07	7	594.	84.85
28	7	516.	73.71	7	550.	78.57	7	595.5	85.07
29	7	537.	76.71	7			7	601.	85.85
30	7	519.5	74.21	7			7	556.5	79.5
31	7	519.5	74.21	7			7	535.5	76.5
Total.	217	15334.5	2190.53	196	14833.5	2118.94	217	18039.	2564.97
Monthly Mean.		70.66	70.66		75.68	75.67		82.74	82.74

*Thermometrical Register for the Year 1822.*

APRIL.				MAY.			JUNE.		
Days.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.
1	7	549°	78°42	7	621°	88°71	7	611°	87°28
2	7	554°	79°14	8	701°	87°62	7	614°5	87°78
3	7	570°	81°42	8	688°	86°	7	623°5	89°07
4	7	582°	83°14	7	627°	89°57	7	637°	91°
5	7	573°5	81°92	7	621°	88°71	7	627°6	89°6
6	7	547°5	78°21	7	593°5	84°70	7	616°	88°
7	7	546°	78°	7	614°	87°71	7	574°5	82°07
8	7	547°	78°14	7	622°5	88°92	7	561°	80°14
9	7	557°	79°57	7	624°5	89°21	7	568°5	81°21
10	7	563°5	80°5	7	625°	89°28	7	570°	81°42
11	7	564°	80°57	7	608°5	86°92	7	568°25	81°17
12	7	593°	84°71	7	607°	86°71	7	614°	87°71
13	7	590°	84°28	7	609°5	87°07	7	623°5	89°07
14	7	578°	82°57	7	619°25	88°46	7	586°75	83°82
15	7	574°	82°	7	607°5	86°78	7	599°25	85°60
16	7	591°5	84°5	7	623°25	89°03	7	603°	86°14
17	7	596°5	85°21	7	625°5	89°35	7	604°	86°28
18	7	590°	84°28	7	629°5	89°92	7	615°75	87°96
19	7	600°	85°71	7	630°	90°	7	606°5	86°64
20	7	605°2	86°45	7	625°5	89°35	7	603°	86°14
21	7	578°	82°57	7	629°5	89°92	7	592°5	84°64
22	7	563°	80°42	7	614°	87°71	7	590°5	84°35
23	7	593°	84°71	7	615°5	87°92	7	591°	84°42
24	7	606°5	86°64	7	58°8	84°	7	590°75	84°39
25	7	603°5	86°21	7	596°5	85°21	7	501°25	84°43
26	7	586°5	83°78	7	594°5	84°92	7	586°5	83°78
27	7	584°5	83°5	7	585°5	83°64	7	594°	84°85
28	7	609°	87°	7	593°	84°71	7	597°5	85°35
29	7	611°	87°28	7	607°75	86°82	7	601°	85°85
30	7	621°5	88°78	7	624°75	89°25	7	592°	84°57
31				7	620°5	88°64			
Total.	210	17428°2	2489°63	219	19192°5	2716°84	210	17954°25	2564°73
Monthly Mean.		82°99	82°98		87°63	87°64		85°49	85°49

*Thermometrical Register for the Year 1822.*

JULY.				AUGUST.			SEPTEMBER.		
Days.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.
1	7	603.	86.14	7	576.5	82.35	7	588.	84.
2	7	589.	84.14	7	585.	83.57	7	591.	84.42
3	7	596.5	85.21	7	588.	84.	6	514.	85.66
4	7	598.5	85.5	7	588.	84.	7	588.	84.
5	7	598.	85.42	7	587.	83.85	7	577.5	82.5
6	7	594.	84.85	7	575.5	82.21	7	583.	83.28
7	7	590.	84.28	7	571.	81.57	7	594.	84.85
8	7	600.5	85.78	7	581.	83.	7	601.	85.85
9	7	585.	83.57	6	496.	82.66	7	596.5	85.21
10	7	589.75	84.25	5	417.	83.4	7	580.	82.85
11	7	589.	84.14	5	420.	84.	7	576.	82.28
12	7	599.	85.57	7	577.	82.42	7	575.	82.15
13	7	591.	84.42	6	493.	82.16	6	504.	84.
14	7	585.5	83.64	7	580.5	82.92	6	501.5	83.58
15	7	573.75	81.96	4	323.	80.75	6	504.5	84.08
16	7	591.	84.42	7	564.5	80.64	7	595.	85.
17	7	587.25	83.89	6	482.	80.33	7	609.	87.
18	7	587.5	83.92	7	583.5	83.35	7	590.5	84.35
19	7	587.	83.85	7	591.	84.42	7	594.5	84.92
20	7	581.5	83.07	7	596.	85.14	7	581.	83.
21	7	581.75	83.10	7	599.5	85.64	7	587.	83.85
22	7	590.25	84.32	7	599.5	85.64	6	503.	83.83
23	7	590.5	84.35	7	602.	86.	7	585.	83.57
24	7	581.75	83.10	7	569.	81.28	6	499.	83.16
25	7	588.	84.	5	412.	82.4	6	501.	83.5
26	7	581.5	83.07	7	580.	82.85	7	583.	83.28
27	6	490.	81.66	5	420.	84.	7	578.	82.57
28	7	582.	83.14	7	579.	82.71	7	585.	83.57
29	7	589.	84.14	7	585.5	83.64	7	592.5	84.64
30	7	575.	82.14	7	597.	85.28	6	494.	82.33
31	6	500.	83.33	6	516.	86.			
Total.	215	18076.5	2604.37	202	16835.	2582.18	202	16951.5	2517.28
Monthly Mean.		84.07	84.01		83.34	83.29		83.91	83.90

## APPENDIX.

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*Thermometrical Register for the Year 1822.*

OCTOBER.				NOVEMBER.			DECEMBER.		
Days.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.	Obs.	Sum.	Mean.
1	7	558.	79.71	7	531.	75.85	7	492.5	70.35
2	7	576.	82.28	7	537.5	76.78	7	483.	69.
3	7	573.	81.85	7	543.	77.57	7	486.	69.42
4	7	583.5	83.35	7	545.	77.85	7	481.5	68.78
5	7	587.5	83.92	7	537.	76.71	7	472.	67.42
6	7	591.	84.42	7	537.	76.71	7	487.	69.57
7	7	598.5	85.5	7	525.5	75.07	7	474.	67.71
8	7	590.5	84.35	7	502.	71.71	5	340.	68.
9	7	591.5	84.5	7	527.5	75.35	7	487.5	69.64
10	7	589.	84.14	7	530.	75.71	7	481.5	68.78
11	7	592.5	84.64	7	526.5	75.21	7	489.	69.85
12	7	597.	85.28	7	529.	75.57	7	467.	66.71
13	7	593.	84.71	7	525.	75.	7	457.5	65.35
14	7	595.5	85.07	7	527.	75.28	7	464.	66.28
15	7	583.5	83.35	7	537.5	76.78	7	455.	65.
16	7	546.5	78.07	7	548.	78.28	7	471.	67.28
17	7	546.	78.	7	537.	76.21	7	476.5	68.07
18	7	539.	77.	7	534.	76.28	7	465.5	66.5
19	7	546.	78.	7	512.	73.14	7	467.	66.71
20	7	557.5	79.64	7	529.	75.57	7	475.5	67.92
21	7	552.	78.85	7	495.	70.71	7	458.	65.42
22	7	534.	76.28	7	477.	68.14	7	458.5	65.5
23	7	552.	78.85	7	489.5	69.92	7	464.	66.28
24	7	555.5	79.35	7	490.	70.	7	461.5	65.92
25	7	569.5	81.35	7	464.5	66.35	7	465.	66.42
26	7	548.	78.28	7	476.	68.	7	473.5	67.64
27	7	541.	77.28	7	475.	67.85	7	480.	68.57
28	7	529.	75.57	7	474.	67.71	7	478.	68.28
29	7	537.	76.71	7	478.	68.28	7	472.	67.42
30	7	534.	76.28	7	498.5	71.21	7	467.	66.71
31	7	533.	76.14				7	470.	67.14
Total.	217	17520.	2502.72	210	15438.	2205.30	215	14520.5	2092.64
Monthly Mean.		80.73	80.73		73.51	73.51		67.53	67.53

*Barometrical Register for the Year 1822.*

JANUARY.				FEBRUARY.			MARCH.		
Days.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.
1	<sup>Lucerne.</sup> 29°99	30°05	29°97	30°07	30°11	30°02	30°02	30°10	30°00
2	29°98	30°06	29°94	30°06	30°12	30°04	30°02	30°04	29°89
3	29°98	30°07	29°99	30°05	30°11	30°05	29°87	29°91	29°82
4	30°02	30°06	29°96	30°07	30°15	30°05	29°89	29°97	29°89
5	30°00	30°05	29°99	30°07	30°15	30°05	29°94	29°98	29°84
6	30°13	30°21	30°09	30°08	30°14	30°06	29°85	29°95	29°85
7	30°12	30°15	30°06	30°06	30°13	30°06	29°93	30°01	29°92
8	30°07	30°12	30°04	30°06	30°09	29°98	29°95	29°99	29°91
9	30°04	30°09	30°03	29°99	30°01	29°91	29°92	29°96	29°86
10	30°06	30°12	30°04	29°90	29°96	29°88	29°89	29°97	29°87
11	30°09	30°15	30°09	29°98	30°06	29°96	29°95	30°03	29°92
12	30°10	30°14	30°05	29°98	30°03	29°92	29°95	30°01	29°92
13	30°06	30°12	30°03	29°93	29°99	29°91	29°95	30°01	29°89
14	30°06	30°14	30°04	29°96	30°02	29°91	29°90	29°94	29°84
15	30°05	30°12	30°01	29°91	29°94	29°83	29°90	29°93	29°89
16	30°04	30°10	30°01	29°86	29°95	29°88	29°93	30°01	29°96
17	30°02	30°07	29°95	29°88	29°94	29°89	29°96	30°00	29°92
18	29°98	30°04	29°95	29°87	29°92	29°85	29°94	30°02	29°89
19	29°96	30°05	29°97	29°92	29°97	29°87	29°97	30°02	29°94
20	30°01	30°08	29°99	29°92	29°98	29°91	29°98	30°03	29°92
21	30°01	30°04	29°95	29°95	30°04	29°96	29°94	29°99	29°85
22	29°96	30°02	29°92	29°99	30°07	29°98	29°89	29°92	29°81
23	29°98	30°05	29°98	29°98	30°02	29°93	29°81	29°84	29°78
24	30°02	30°07	29°98	29°93	29°98	29°89	29°78	29°83	29°70
25	30°02	30°05	29°95	29°92	30°00	29°96	29°81	29°85	29°79
26	29°97	30°01	29°89	30°02	30°09	29°97	29°85	29°89	29°81
27	29°98	30°03	29°94	30°01	30°06	29°98	29°82	29°87	29°80
28	30°03	30°07	29°95	30°01	30°07	29°97	29°82	29°86	29°78
29	29°96	30°00	29°89				29°81	29°88	29°74
30	29°96	30°06	29°98				29°88	29°95	29°81
31	30°04	30°10	30°03				29°95	29°99	29°92
	930°69	932°49	929°66	839°43	841°10	838°67	927°07	928°75	925°73
Mean.	30°02	30°08	29°98	29°97	30°03	29°95	29°90	29°95	29°86
Monthly Mean.		30°02		29°96			29°90		

*Barometrical Register for the Year 1822.*

APRIL.				MAY.			JUNE.		
Days.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.
1	29°97	30°04	29°98	29°84	29°89	29°81	29°77	29°82	29°73
2	30°03	30°13	30°00	29°85	29°89	29°76	29°76	29°79	29°71
3	30°01	30°05	29°95	29°75	29°80	29°69	29°74	29°77	29°65
4	29°94	29°97	29°84	29°70	29°76	29°68	29°70	29°71	29°60
5	29°87	29°98	29°86	29°76	29°85	29°76	29°61	29°64	29°53
6	29°87	29°93	29°84	29°84	29°90	29°82	29°57	29°58	29°47
7	29°92	30°01	29°90	29°84	29°88	29°77	29°47	29°48	29°33
8	29°96	30°02	29°94	29°82	29°87	29°77	29°25	29°26	29°19
9	29°93	29°98	29°89	29°82	29°88	29°76	29°35	29°44	29°42
10	29°91	29°95	29°84	29°84	29°88	29°74	29°45	29°46	29°36
11	29°88	29°93	29°85	29°77	29°81	29°65	29°28	29°34	29°34
12	29°89	29°94	29°84	29°74	29°79	29°68	29°48	29°56	29°54
13	29°86	29°92	29°82	29°68	29°75	29°66	29°55	29°58	29°55
14	29°90	29°94	29°85	29°70	29°75	29°66	29°62	29°66	29°60
15	29°93	29°96	29°87	29°71	29°74	29°65	29°65	29°70	29°63
16	29°91	29°98	29°83	29°66	29°69	29°61	29°66	29°70	29°64
17	29°94	29°99	29°91	29°63	29°65	29°57	29°65	29°67	29°58
18	29°95	29°98	29°87	29°63	29°66	29°60	29°63	29°66	29°53
19	29°87	29°90	29°77	29°63	29°67	29°64	29°57	29°61	29°51
20	29°79	29°86	29°72	29°68	29°74	29°68	29°54	29°57	29°48
21	29°88	29°95	29°87	29°66	29°68	29°57	29°53	29°56	29°51
22	29°88	29°99	29°91	29°52	29°59	29°49	29°58	29°64	29°60
23	29°94	30°00	29°89	29°55	29°59	29°51	29°65	29°69	29°66
24	29°91	29°96	29°86	29°62	29°71	29°65	29°67	29°70	29°65
25	29°86	29°91	29°83	29°67	29°73	29°61	29°66	29°69	29°65
26	29°83	29°88	29°78	29°66	29°69	29°51	29°67	29°73	29°69
27	29°88	29°92	29°85	29°66	29°73	29°73	29°72	29°75	29°68
28	29°86	29°92	29°81	29°76	29°82	29°79	29°69	29°72	29°66
29	29°86	29°91	29°80	29°84	29°87	29°75	29°67	29°71	29°67
30	29°84	29°88	29°78	29°79	29°83	29°69	29°69	29°70	29°64
31				29°75	29°80	29°70			
	897°07	898°78	895°75	921°57	922°89	919°96	887°83	888°89	886°80
Mean.	29°90	29°95	29°85	29°72	29°77	29°67	29°59	29°62	29°56
Monthly Mean.	29°90			29°72			29°59		



*Barometrical Register for the Year 1822.*

JULY.				AUGUST.			SEPTEMBER.		
Days.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.
1	29.64	29.66	29.60	29.65	29.68	29.61	29.75	29.77	29.65
2	29.65	29.71	29.65	29.66	29.73	29.68	29.71	29.74	29.63
3	29.67	29.68	29.62	29.76	29.80	29.73	29.71	29.73	29.67
4	29.63	29.65	29.56	29.77	29.80	29.70	29.67	29.70	29.60
5	29.54	29.55	29.47	29.72	29.74	29.68	29.60	29.61	29.58
6	29.52	29.55	29.53	29.70	29.73	29.69	29.64	29.70	29.62
7	29.58	29.64	29.56	29.70	29.72	29.62	29.66	29.71	29.62
8	29.61	29.66	29.60	29.65	29.65	29.60	29.68	29.78	29.66
9	29.66	29.69	29.65	29.65	29.69	29.65	29.60	29.60	29.52
10	29.64	29.70	29.65	29.66	29.73	29.68	29.60	29.60	29.52
11	29.67	29.72	29.65	29.69	29.72	29.62	29.57	29.63	29.60
12	29.66	29.68	29.59	29.62	29.62	29.51	29.70	29.70	29.66
13	29.60	29.63	29.58	29.54	29.59	29.55	29.74	29.76	29.70
14	29.60	29.63	29.55	29.59	29.65	29.61	29.70	29.73	29.65
15	29.56	29.58	29.53	29.65	29.66	29.64	29.72	29.76	29.73
16	29.55	29.57	29.50	29.67	29.72	29.67	29.74	29.77	29.69
17	29.53	29.56	29.51	29.73	29.80	29.73	29.73	29.77	29.65
18	29.55	29.57	29.47	29.75	29.79	29.72	29.68	29.71	29.60
19	29.50	29.53	29.55	29.77	29.83	29.76	29.66	29.66	29.60
20	29.45	29.45	29.43	29.79	29.82	29.72	29.67	29.73	29.71
21	29.48	29.56	29.52	29.72	29.74	29.65	29.76	29.82	29.75
22	29.54	29.61	29.57	29.68	29.69	29.60	29.76	29.78	29.70
23	29.58	29.61	29.57	29.69	29.71	29.60	29.74	29.79	29.72
24	29.58	29.60	29.57	29.63	29.71	29.66	29.75	29.83	29.75
25	29.59	29.62	29.56	29.72	29.77	29.69	29.82	29.86	29.78
26	29.57	29.60	29.57	29.72	29.76	29.68	29.84	29.86	29.79
27	29.63	29.66	29.65	29.71	29.75	29.68	29.80	29.81	29.71
28	29.67	29.73	29.70	29.71	29.72	29.64	29.74	29.77	29.68
29	29.74	29.77	29.70	29.66	29.70	29.70	29.72	29.78	29.74
30	29.73	29.78	29.71	29.75	29.82	29.72	29.77	29.80	29.73
31	29.72	29.75	29.67	29.78	29.82	29.70			
	917.64	918.70	917.04	920.49	921.66	919.47	891.23	892.26	890.01
Mean	29.6	29.63	29.58	29.69	29.73	29.66	29.7	29.74	29.66
Monthly Mean.	29.60			29.69			29.70		

*Barometrical Register for the Year 1822.*

OCTOBER.				NOVEMBER.			DECEMBER.		
Days.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.	Sun Rise.	Noon.	Evening.
1	29.74	29.82	29.73	29.99	30.03	29.97	30.05	30.09	30.00
2	29.80	29.88	29.80	29.98	30.01	29.97	30.00	30.03	29.95
3	29.84	29.87	29.82	29.98	30.01	29.97	30.00	30.05	30.00
4	29.82	29.87	29.82	29.97	30.02	29.97	30.03	30.09	30.00
5	29.86	29.92	29.85	29.99	30.02	29.99	30.05	30.09	30.00
6	29.85	29.90	29.82	29.99	30.02	29.97	30.01	30.07	29.96
7	29.86	29.89	29.82	29.98	30.01	29.98	30.00	30.04	29.95
8	29.84	29.88	29.82	29.98	30.03	29.95	30.00	30.06	29.97
9	29.86	29.89	29.82	29.96	29.99	29.90	30.00	30.07	29.98
10	29.85	29.92	29.82	29.91	29.97	29.99	30.00	30.05	29.94
11	29.87	29.92	29.82	29.92	29.99	29.91	30.01	30.09	30.00
12	29.86	29.90	29.80	29.97	30.03	29.96	30.04	30.09	30.00
13	29.80	29.86	29.77	30.00	30.07	30.00	30.00	30.08	29.98
14	29.80	29.86	29.77	30.01	30.07	29.98	30.01	30.07	29.97
15	29.79	29.81	29.73	30.00	30.02	29.95	30.01	30.09	30.00
16	29.75	29.75	29.71	29.99	30.03	29.99	30.04	30.10	30.00
17	29.63	29.65	29.60	30.01	30.06	30.00	30.02	30.07	29.97
18	29.59	29.62	29.59	30.03	30.08	30.00	30.00	30.06	29.97
19	29.73	29.84	29.81	30.00	30.05	29.99	29.98	30.03	29.93
20	29.88	29.98	29.90	30.00	30.08	30.00	30.00	30.09	29.96
21	29.90	29.93	29.87	30.01	30.07	30.00	30.00	30.07	29.99
22	29.91	29.99	29.96	30.08	30.08	30.00	30.03	30.07	29.99
23	30.00	30.08	30.00	30.02	30.09	29.99	30.05	30.12	30.02
24	30.00	30.09	30.00	30.01	30.07	29.96	30.06	30.13	30.05
25	30.00	30.02	29.95	29.99	30.05	29.98	30.10	30.17	30.07
26	29.95	30.00	29.95	30.01	30.10	30.02	30.10	30.15	30.04
27	29.97	30.02	29.97	30.07	30.12	30.02	30.07	30.11	30.03
28	29.98	30.02	29.96	30.05	30.08	29.99	30.06	30.12	30.03
29	29.96	30.01	29.93	30.04	30.10	30.01	30.04	30.09	29.98
30	29.94	30.00	29.91	30.06	30.11	30.04	30.00	30.05	29.97
31	29.97	30.01	29.97				30.03	30.08	30.00
	925.59	927.20	925.09	900.00	901.46	899.45	931.79	932.47	929.70
Mean	29.85	29.9	29.84	30.00	30.04	29.98	30.05	30.07	29.99
Monthly Mean.	29.86			30.00			30.03		

*Table of Fahrenheit's Thermometer for Eight Years, abstracted from a Daily Register.*

Months.	1816.	1817.	1818.	1819.	1820.	1821.	1822.	1823.	Mean of each Month for 8 Years.
January ...	Max. 64·5	77·	76·	74·	73·	78·	83·	80·5	65·21
	Min. 56·	45·	49·	40·5	42·	43·	52·5	52·	
	Mean —	66·23	65·44	60·49	58·91	66·53	70·66	68·22	
February	Max. 71·	77·	83·	84·	89·	86·	90·	86·	70·62
	Min. 63·	52·	45·5	47·	46·	48·	54·5	57·	
	Mean —	68·34	70·01	67·52	65·28	73·22	75·68	74·33	
March ...	Max. 85·	85·	87·	88·	86·	88·5	92·5	89·	78·05
	Min. 71·	60·	56·	56·	60·	61·	65·5	63·	
	Mean 79·39	74·55	75·16	78·55	77·12	78·23	82·74	78·73	
April .....	Max. 92·5	92·	92·	90·	89·	93·	94·5	95·	83·28
	Min. 74·	71·	65·5	66·	67·	67·	70·5	69·	
	Mean 82·07	84·24	81·66	80·24	82·61	85·	82·99	87·49	
May .....	Max. 96·	93·	92·	92·	92·	96·	94·5	96·	85·47
	Min. 76·	70·	65·	75·	76·	69·	76·	76·	
	Mean 86·53	83·12	85·1	84·09	85·11	86·12	87·63	86·10	
June .....	Max. 98·	89·	94·	92·	90·	96·	95·5	93·	84·69
	Min. 76·	75·	75·	72·	76·	77·	78·	78·	
	Mean 86·18	82·56	83·34	83·63	83·99	87·31	85·49	85·02	
July .....	Max. 90·	89·	88·	89·	89·	91·	88·	87·5	82·61
	Min. 77·	75·	76·	76·5	78·	76·	79·	77·5	
	Mean 81·75	82·41	81·01	82·53	82·76	84·22	84·07	82·20	
August ...	Max. 88·	89·	88·	88·	89·	89·	89·	86·5	82·88
	Min. 78·	76·	76·5	76·	76·	79·	78·	77·	
	Mean 82·92	82·97	82·49	82·2	83·6	83·65	83·34	81·93	
September	Max. 89·	90·	85·	88·	90·	89·	90·	87·5	82·41
	Min. 76·	75·	75·	77·	76·	78·	79·	76·5	
	Mean 81·79	82·45	80·18	82·56	83·75	82·68	83·91	81·99	
October ...	Max. 89·	88·	87·	88·	87·	87·	89·	87·	80·98
	Min. 62·	73·	67·	70·	66·	66·	56·	74·	
	Mean 80·09	81·33	80·57	80·23	81·14	80·94	80·73	82·85	
November	Max. 81·	88·	82·	85·	87·	84·	82·	85·	73·46
	Min. 52·	58·	55·	60·	58·	57·	53·5	58·	
	Mean 71·69	74·14	71·76	73·96	74·04	75·47	73·51	73·17	
December	Max. 76·	78·	79·	75·	76·	79·	78·	—	66·50
	Min. 48·	52·	50·	50·	48·	53·5	53·	—	
	Mean 65·65	67·	65·45	64·81	65·96	69·11	67·53	—	

N.B. The Mean given in this Table is not taken from the Maximum and Minimum only, but from the Sum of all the Observations in each Month.

Table showing the Range of the Barometer for a period of Eight Years.

Months.		1816.	1817.	1818.	1819.	1820.	1821.	1822.	1823.	Mean of each Month for 8 Years.
January ...	Min.	—	29·97	29·91	29·82	29·84	29·90	29·89	29·88	30·2
	Max.	—	30·16	30·18	30·16	30·14	30·22	30·15	30·20	
	Mean	—	30·04	30·06	29·96	30·00	30·05	30·02	30·02	
February	Min.	—	29·84	29·77	29·87	29·88	29·22	29·83	29·85	29·99
	Max.	—	30·15	30·16	30·14	30·17	30·15	30·15	30·18	
	Mean	—	30·02	29·97	29·98	30·00	29·99	29·98	30·02	
March ...	Min.	—	29·78	29·82	29·60	29·76	29·75	29·70	29·82	29·91
	Max.	—	30·13	30·05	30·02	30·09	30·10	30·10	30·09	
	Mean	—	29·95	29·93	29·84	29·93	29·91	29·90	29·94	
April .....	Min.	29·71	29·70	29·72	29·59	29·69	29·77	29·72	29·64	29·82
	Max.	29·96	29·94	30·06	29·94	29·96	30·04	30·13	30·02	
	Mean	29·81	29·75	29·86	29·78	29·80	29·87	29·90	29·79	
May .....	Min.	29·51	29·61	29·72	29·24	29·62	29·55	29·49	29·42	29·72
	Max.	29·99	29·93	30·06	29·90	29·94	29·98	29·90	29·87	
	Mean	29·70	29·75	29·71	29·72	29·74	29·74	29·72	29·71	
June .....	Min.	29·48	29·45	29·51	29·49	29·52	29·46	29·19	29·41	29·61
	Max.	29·74	29·78	29·90	29·74	29·73	29·83	29·82	29·80	
	Mean	29·60	29·61	29·62	29·64	29·61	29·63	29·59	29·59	
July .....	Min.	29·34	29·40	29·35	29·50	29·51	29·31	29·43	29·37	29·58
	Max.	29·67	29·78	29·81	29·85	29·79	29·86	29·78	29·67	
	Mean	29·58	29·54	29·60	29·67	29·64	29·56	29·60	29·52	
August ...	Min.	29·56	29·41	29·44	29·53	29·48	29·45	29·51	29·28	29·62
	Max.	29·75	29·76	29·79	29·80	29·85	29·77	26·83	29·82	
	Mean	29·65	29·62	29·60	29·64	29·69	29·55	29·69	29·59	
September	Min.	29·60	29·44	29·58	29·46	29·60	29·61	29·52	29·54	29·75
	Max.	29·91	29·96	29·88	29·88	29·90	29·97	29·86	29·87	
	Mean	29·79	29·74	29·72	29·87	29·76	29·77	29·70	29·68	
October ...	Min.	29·76	29·83	29·68	29·65	29·75	29·73	29·55	29·70	29·88
	Max.	30·09	30·00	29·98	29·97	30·09	30·06	30·08	30·06	
	Mean	29·94	29·90	29·84	29·81	29·93	29·90	29·86	29·87	
November	Min.	29·90	29·83	29·85	29·91	29·92	29·70	29·91	29·79	29·98
	Max.	30·15	30·13	30·08	30·09	30·17	30·17	30·12	30·16	
	Mean	30·02	29·96	29·91	29·99	30·03	29·97	30·00	29·98	
December	Min.	29·94	29·97	29·93	29·92	29·94	29·94	29·93	—	30·04
	Max.	30·17	30·15	30·13	30·13	30·15	30·19	30·17	—	
	Mean	30·05	30·05	30·01	30·03	30·05	30·07	30·03	—	

N.B. The Mean given in this Table is taken from the Maximum and Minimum only.

*Thermometrical Table, showing the greatest Difference between the lowest and highest Temperature in each Month for every Month of the Year for Eight Years.*

	1816.	1817.	1818.	1819.	1820.	1821.	1822.	1823.	Mean of 8 Years.
January ....	—	32°	27°	33°5	31°	35°	30°5	27°5	31°1
February....	—	25°	37°5	37°	43°	38°	35°5	29°	35°1
March .....	—	25°	31°	32°	26°	27°5	27°	26°	27°7
April.....	18°5	21°	27°5	24°	22°	26°	24°	26°	23°6
May .....	20°	23°	27°	17°	16°	27°	18°5	20°	21°6
June.....	22°	14°	19°	20°	24°	19°	17°5	15°	18°8
July .....	23°	14°	12°	13°5	11°	15°	19°	10°	14°6
August.....	10°	13°	11°5	12°	13°	10°	11°	8°5	11°1
September .	13°	25°	10°	11°	14°	11°	11°	11°	13°2
October ....	27°	15°	20°	18°	21°	21°	33°	13°	21°
November .	29°	30°	27°	25°	29°	27°	28°5	27°	27°8
December .	28°	26°	29°	25°	28°	25°5	25°	28°	26°7

## NOTICE.

The Barometer used in forming the preceding Barometrical Tables was a marine one, and proved, by comparisons with the barometric observations of that able and accurate surveyor Captain Webb, to be a very good instrument. From April 1816 to June 1821, it was placed in a northern verandah of a low-roomed house, quite out of the influence of radiated heat or partial currents of wind, but exposed to all winds, and hanging about eight feet above the common level of the plain. From the 1st of June to the end of November 1823 it hung about 20 feet higher, but in other respects the same as to aspect and exposure to air. The diurnal fluctuations of the mercurial column are now so well known as no longer to excite surprise; but the occasion of them, when not accounted for by corresponding changes in the atmosphere, has not yet been clearly explained. In a period of several years, I have found the deviation in the rise and fall of the mercury, at stated times in the twenty-four hours, so regular as to be able to reduce it to general rules. Thus I found the mercurial column attained its greatest elevation by about 10 A.M., and remained stationary till 2; its decline then commenced, and continued till 4 P.M. It remained stationary from that hour to 6 P.M. After 6 it again began to rise, and the same course of change as was exhibited by day continued through the night.

The moment of its beginning to rise and its continuance often varied, however, and so did the fall, but it may be inferred generally that the minimum elevation of the mercurial column is at 6 in the morning and 6 in the evening; and its maximum at noon and midnight. The fall of the mercury each day is generally twice as great as the rise, or nearly so, as will appear from an inspection of the annexed table of the rise and fall for a whole year.

*Synopsis of the Daily Variations of the Mercurial Column in the Barometer for every  
Month of the Year 1822.*

JANUARY.			FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
Date.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.
	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.	I. D.
1	0·06	0·08	0·04	0·09	0·08	0·10	0·07	0·06	0·05	0·09	0·05	0·09
2	·08	·12	·06	·08	·02	·14	·13	·13	·04	·13	·03	·08
3	·09	·08	·06	·06	·04	·09	·04	·10	·05	·11	·03	·12
4	·04	·10	·08	·10	·08	·08	·03	·13	·06	·08	·01	·03
5	·05	·06	·08	·10	·04	·14	·11	·12	·09	·09	·03	·11
6	·08	·12	·08	·08	·10	·10	·06	·09	·06	·08	·01	·11
7	·03	·09	·07	·07	·08	·09	·09	·11	·04	·11	·01	·15
8	·05	·08	·03	·11	·04	·08	·06	·10	·05	·10	·01	·07
9	·05	·06	·02	·10	·04	·10	·05	·09	·06	·12	·09	·02
10	·06	·08	·06	·08	·08	·10	·04	·11	·04	·14	·01	·10
11	·06	·06	·08	·10	·08	·11	·05	·08	·04	·10	·01	·00
12	·04	·09	·05	·11	·06	·09	·05	·10	·05	·11	·08	·02
13	·06	·09	·06	·08	·06	·12	·06	·10	·07	·09	·03	·03
14	·08	·10	·06	·11	·04	·08	·04	·09	·05	·05	·04	·06
15	·07	·11	·03	·11	·03	·04	·03	·09	·03	·09	·04	·06
16	·06	·09	·09	·07	·08	·05	·07	·15	·03	·08	·04	·06
17	·05	·12	·06	·05	·04	·08	·05	·08	·02	·08	·02	·09
18	·06	·09	·05	·07	·08	·13	·03	·11	·03	·06	·03	·13
19	·09	·08	·05	·10	·05	·08	·03	·13	·04	·03	·04	·10
20	·07	·07	·06	·07	·05	·11	·07	·14	·06	·06	·03	·09
21	·03	·09	·09	·08	·05	·14	·07	·08	·02	·11	·03	·05
22	·06	·10	·08	·09	·03	·11	·11	·08	·06	·09	·06	·04
23	·07	·07	·04	·09	·03	·06	·06	·11	·04	·08	·04	·03
24	·05	·05	·04	·08	·05	·13	·05	·10	·09	·06	·03	·05
25	·03	·10	·10	·04	·04	·06	·05	·08	·06	·12	·03	·04
26	·04	·12	·07	·12	·04	·08	·05	·10	·03	·11	·06	·04
27	·05	·09	·05	·08	·05	·07	·04	·07	·07	·01	·05	·05
28	·04	·12	·06	·10	·04	·08	·06	·11	·06	·03	·03	·06
29	·04	·10	—	—	·07	·14	·05	·11	·03	·12	·04	·04
30	·10	·08	—	—	·07	·14	·04	·10	·04	·13	·01	·06
31	·06	·07	—	—	·04	·07	—	—	·05	·10	—	—
Total	1·80	2·76	1·70	2·42	1·68	2·99	1·74	3·05	1·51	2·76	1·02	1·98
Mean	·058	·089	·060	·086	·054	·096	·058	·101	·048	·089	·034	·066

*Synopsis of the Daily Variations of the Mercurial Column in the Barometer for every Month of the Year 1822.*

JULY.			AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
Date.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.	Rise.	Fall.
1	I. D. 0·02	I. D. 0·06	I. D. 0·03	I. D. 0·07	I. D. 0·02	I. D. 0·12	I. D. 0·08	I. D. 0·09	I. D. 0·04	I. D. 0·06	I. D. 0·04	I. D. 0·09
2	·06	·06	·07	·05	·03	·11	·08	·08	·03	·04	·03	·08
3	·01	·06	·04	·07	·02	·08	·03	·05	·03	·04	·05	·05
4	·02	·09	·03	·08	·03	·10	·05	·05	·05	·05	·06	·09
5	·01	·08	·02	·06	·01	·03	·06	·07	·03	·03	·05	·10
6	·03	·02	·03	·04	·06	·08	·05	·08	·03	·05	·06	·11
7	·06	·08	·02	·10	·05	·09	·03	·07	·03	·03	·04	·09
8	·05	·06	·00	·05	·10	·12	·04	·06	·05	·08	·06	·09
9	·03	·04	·04	·03	·00	·08	·03	·07	·01	·07	·07	·09
10	·06	·05	·07	·05	·00	·08	·07	·10	·06	·04	·05	·11
11	·05	·07	·03	·05	·06	·03	·05	·10	·07	·08	·08	·09
12	·02	·09	·00	·11	·00	·04	·04	·10	·04	·05	·04	·09
13	·03	·05	·05	·04	·02	·10	·06	·09	·07	·07	·08	·10
14	·03	·08	·06	·04	·03	·08	·06	·09	·06	·09	·06	·10
15	·02	·05	·01	·02	·04	·03	·02	·08	·02	·07	·08	·09
16	·02	·07	·05	·05	·03	·08	·00	·04	·04	·03	·04	·10
17	·03	·05	·07	·07	·04	·12	·03	·05	·05	·06	·05	·10
18	·02	·10	·04	·07	·03	·11	·03	·03	·05	·08	·06	·09
19	·03	·08	·06	·07	·00	·06	·11	·03	·05	·05	·05	·10
20	·00	·02	·03	·10	·06	·02	·10	·08	·08	·08	·09	·13
21	·08	·04	·02	·09	·06	·07	·03	·06	·07	·07	·07	·08
22	·07	·04	·01	·09	·02	·08	·08	·03	·00	·08	·07	·10
23	·03	·04	·02	·11	·05	·07	·08	·08	·07	·10	·07	·10
24	·02	·03	·08	·05	·08	·07	·09	·09	·06	·11	·07	·08
25	·04	·06	·05	·08	·04	·08	·02	·07	·06	·07	·07	·10
26	·03	·03	·04	·08	·02	·07	·05	·05	·09	·08	·05	·11
27	·03	·01	·04	·07	·01	·10	·05	·05	·05	·10	·04	·08
28	·06	·03	·01	·08	·03	·09	·04	·06	·03	·07	·06	·09
29	·03	·07	·04	·00	·06	·04	·04	·07	·06	·09	·05	·11
30	·05	·07	·07	·10	·03	·07	·06	·09	·05	·07	·05	·08
31	·05	·02	·04	·12	—	—	·04	·04	—	—	·05	·08
Total	1·09	1·70	1·17	2·09	1·03	2·30	1·59	2·10	1·43	1·99	1·79	2·00
Mean	·035	·054	·037	·067	·034	·076	·051	·067	·047	·066	·057	·064

*Notes on the Fluctuations exhibited in the preceding Table.*

In January 1822, the atmospheric phenomena in this month produce no material irregularity in the flux and reflux of the mercurial column.

February. On the 2d and 3d, the rise and fall appear to be but little and nearly equal, the result was strong winds with rain. On the 6th, 7th, 11th, 12th, 13th, 14th and 15th, similar irregularities occur, and were followed by like results. On the 25th and 26th the rise was great, and the descent of the mercury began before 12 at noon. The result was, both days stormy.

March 1st and 2d. The rise and fall equal; the result, squally weather.

5th. The fall greatly exceeded the rise; result, squally weather.

6th, 7th and 15th. The rise and fall nearly equal; result, squally weather.

16th. The rise greater than the fall; result, squalls with thunder.

18th. The fall greatest; result, squalls, thunder, hail and rain.

21st and 24th, The fall greatest; result, strong winds in violent gusts.

29th. The fall of the mercury began before noon and was great, and between 4 and 6 P.M. it rose one-tenth of an inch. This was followed by a gale of wind, with rain, thunder and lightning.

30th. The rise and fall irregular; the result, storms, with rain, thunder, &c.

April 1st and 2d. The rise and fall were irregular, but no material atmospheric changes followed.

4th. The fall was great and rise small; result, squalls, rain and thunder.

5th. Both fall and rise, great and equal; the result, squalls, rain and thunder.

20th to 23d. Rise and fall unsteady. The weather unsettled.

May 2d and 3d. The rise small, the fall great. Squally with strong winds.

5th. Rise and fall equal; result, unsettled weather.

10th, 11th, 14th, 19th, 24th, 27th, and 29th. The fall and rise on these days irregular, and the weather squally with strong winds, thunder, and rain.

June. The rise and fall of the mercury irregular throughout this month, influenced no doubt by the commencement of the periodical rains.

July and August. The irregularities noticed last month continue in these months, and may be also attributed to the periodical rains.

September 1st the fall of the mercury was six times greater than the rise. The result was stormy weather with thunder, lightning, and much rain.

9th and 10th. No rise; the result thunder, lightning, and heavy rain.

12th. The rise did not begin before 8 A.M., it was followed by rain.

October. The rise and fall of the Barometer on the 2d, 3d, 5th and 6th, were irregular, and the weather within that interval was squally and wet: but the same irregularity occurred on the 11th, 16th, 18th, 19th and 20th, without any corresponding atmospheric changes.

November. The equality in the rise and fall in the first eight days of this month, has at other seasons of the year been followed with bad weather, but in the present instance no such consequence resulted. On the 10th the fall of the mercury began at 1 A.M., and at 2 P.M. it was rising and continued to rise till 6 P.M. (a very unusual thing). On the 22d a similar irregularity occurred, but in both instances was unattended by any material atmospheric phenomenon.

December. The oscillations of the mercurial column in this month were active, and variable, but atmospheric changes occurred but seldom. The prevailing winds were N.W. and the weather fine.

The mean, rise, and fall of the Barometer, in the annexed Table, for each month, is shown by dividing the totals of each column by the number of days in the corresponding month.

Months.	Rise.	Fall.	Months.	Rise.	Fall.
In January .....	·058	·089	July .....	·035	·054
February ...	·000	·086	August .....	·037	·067
March .....	·054	·096	September...	·034	·073
April .....	·058	·101	October .....	·051	·067
May .....	·048	·089	November ...	·047	·066
June .....	·034	·066	December ...	·057	·064



*Register of the Hygrometer for Eight Years, registered at the same Hours as the Thermometrical Observations in the preceding Tables.*

Years.	1816.		1817.		1818.		1819.		1820.		1821.		1822.		1823.	
Months.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January ...	—	—	10·11	2·02	10·78	2·35	—	—	4·50	2·15	9·33	1·37	10·24	2·01	7·30	1·60
February	—	—	10·10	2·55	10·85	1·90	—	—	6·60	1·30	9·83	1·40	9·70	1·36	7·60	1·40
March ...	4·90	2·00	10·95	2·24	10·30	1·60	—	—	6·80	1·60	10·20	2·05	9·87	1·30	10·65	1·38
April .....	5·77	2·62	10·90	2·46	10·20	2·20	—	—	6·90	2·90	10·20	1·75	9·11	2·29	6·90	1·65
May .....	8·12	2·40	10·18	3·00	10·20	2·20	—	—	6·80	2·00	10·09	2·85	9·14	2·50	7·48	2·00
June .....	9·04	2·60	10·20	4·30	10·20	3·45	—	—	7·74	4·05	10·15	3·38	7·98	2·79	8·23	3·00
July .....	9·97	4·87	10·22	5·50	—	—	—	—	8·20	5·15	10·11	4·22	8·37	4·74	9·15	4·06
August ...	10·01	4·45	10·24	4·80	—	—	—	—	8·70	4·60	10·05	5·02	8·27	4·60	9·10	4·92
September	10·10	3·89	10·37	4·10	—	—	—	—	7·90	4·20	10·15	4·09	8·80	4·65	8·60	4·64
October ...	10·14	2·28	10·26	3·10	—	—	6·45	4·15	8·50	2·25	10·30	2·33	8·70	3·10	9·00	3·27
November	10·11	2·05	10·25	2·62	—	—	6·95	3·00	6·40	2·33	10·20	2·32	9·10	2·00	9·90	2·60
December	10·10	2·30	10·22	2·60	—	—	6·60	2·98	5·03	1·53	9·22	2·23	7·30	2·00	—	—

From long-continued attention to my Hygrometer (Capt. Kater's), I placed much dependence on its sensibility. On some occasions I have noticed its changes were occasioned by passing clouds, at times of the day when the index previously had indicated much dryness; when the cloud had passed over, the index soon regained the point from which it had moved half an hour before. The high numbers indicated in the columns of the maximum, occurred in the early hours of the morning, and were greater or less according to the continuance and density of the fogs.

The instrument always stood at a distance from any door or window, but both doors and windows being open, it received all the influence of a moist or a dry atmosphere. The low numbers indicate a very dry state of the atmosphere; at 2·60 the leather binding and thin paste-board covering of books began to curl, and at from 2·00 to 1·60 pens split as soon as laid aside, ink uncovered was rapidly absorbed, and water standing in a porous earthen vessel cooled by evaporation to ten degrees below the thermometer.

The scale or range of this instrument was to 11·94, the point of complete saturation.

The blanks in this table were occasioned by the hygrometer being under repair. Its action was impaired by dust, but was restored by cleaning.

## RAIN AND FOGS.

*Enumeration of Days on which Rain has fallen at Dum Dum in every Month from 1816 to 1823 inclusive; also of Foggy Mornings, distinguished by the terms Dense and Light, the quantity floating in the Atmosphere on the Mornings registered.*

Months.	1816.		1817.		1818.		1819.		1820.		1821.		1822.		1823.	
	Rain.	Fog.	Rain.	Fog.	Rain.	Fog.	Rain.	Fog.	Rain.	Fog.	Rain.	Fog.	Rain.	Fog.	Rain.	Fog.
	Dense.	Light.	Dense.	Light.	Dense.	Light.	Dense.	Light.	Dense.	Light.	Dense.	Light.	Dense.	Light.	Dense.	Light.
Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
January ...	1	3. 10	1	7. 3	3	9. 13	0	5. 3	0	0. 6	1	5. 5	3	6. 6	0	6. 8
February	3	4. 5	17	4. 3	3	8. 6	0	6. 2	0	6. 2	4	8. 0	2	8. 4	2	2. 2
March ...	4	4. 9	18	4. 3	10	5. 2	3	5. 3	1	7. 4	8	3. 4	9	3. 4	4	2. 2
April .....	9	0. 3	6	0. 3	7	2. 0	12	4. 2	8	0. 0	5	5. 2	11	1. 3	4	0. 0
May .....	9	0. 0	15	0. 0	11	0. 0	6	4. 0	15	1. 0	7	0. 0	11	0. 0	13	0. 0
June .....	21	0. 0	22	0. 0	19	0. 0	15	0. 0	20	1. 0	14	0. 2	25	0. 0	15	0. 0
July .....	31	0. 0	26	0. 0	25	0. 0	25	0. 0	25	0. 0	19	0. 0	31	0. 0	24	0. 0
August ...	22	0. 0	20	0. 0	22	0. 0	24	0. 1	22	0. 0	31	0. 0	22	0. 0	27	0. 0
September	26	1. 0	18	0. 3	29	2. 0	17	0. 0	16	0. 2	23	0. 0	20	0. 1	20	0. 0
October ...	3	0. 13	9	3. 6	6	3. 4	12	0. 2	7	4. 7	6	5. 4	8	1. 5	6	0. 9
November	0	3. 8	5	4. 7	0	3. 16	1	0. 4	0	3. 8	0	9. 8	4	2. 9	6	0. 5
December	0	1. 7	2	8. 7	0	6. 9	0	5. 2	3	1. 4	0	6. 14	0	14. 9	0	0. 0
In each year.	129	16. 55 71	159	30. 35 65	135	38. 50 88	115	29. 19 48	117	23. 33 56	118	41. 39 80	146	35. 41 76	121	10. 26 36

*Medium of Eight Years.*

January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.
Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.	Rain. Fog.
1½. 11½	3½. 8½	7½. 8	7½. 3½	10½. 0½	18½. 0½	26½. 0	23½. 0½	21½. 1½	7½. 8½	2. 11½	0½. 13½

It will be seen by this Table that fogs prevail most in those months which produce least rain; and, to this source of refreshment to vegetation, in January, February, and March, may be added the copious dews which fall at this season, which, united with the fogs, preserve a verdure over the plains of Bengal, not common to the higher provinces. The country for many miles round Calcutta is almost a flat surface, the plains of Dum Dum only exceeding the height of the spring tides about eight feet, and it is not much above thirty feet higher than the level of the sea.

*Table of the prevailing Winds in every Month of the Year, during eight Years, registered at the same times with the other Atmospheric Phenomena recorded in the foregoing Tables.*

Years.	Winds.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in the Year.
1816	West	5	6	—	2	—	—	—	—	—	7	—	6	26 W.
	N.W.	4	—	—	—	—	—	5	2	2	8	10	12	43 N.W.
	North	3	2	1	—	—	—	—	—	—	3	13	10	32 N.
	N.E.	0	2	6	—	—	2	—	4	6	2	3	3	28 N.E.
	East	8	11	4	—	3	5	6	7	7	2	—	—	53 E.
	S.E.	5	3	8	7	4	2	7	6	7	1	2	—	52 S.E.
	South	3	3	6	13	13	11	6	4	5	—	—	—	64 S.
	S.W.	1	1	6	8	11	10	7	8	3	8	2	—	65 S.W.
1817	West	—	—	—	—	1	—	—	1	—	1	2	1	6 W.
	N.W.	8	2	3	1	2	—	—	—	—	2	6	10	34 N.W.
	North	6	1	2	—	—	—	—	—	1	1	12	11	33 N.
	N.E.	5	5	3	—	2	2	2	3	3	6	4	7	42 N.E.
	East	2	8	3	2	6	16	10	8	6	5	2	2	70 E.
	S.E.	4	3	7	9	12	—	10	12	11	8	2	—	78 S.E.
	South	1	1	10	10	8	5	5	3	3	4	1	—	51 S.
	S.W.	3	3	3	8	1	1	4	4	7	4	1	—	39 S.W.
1818	West	2	—	—	—	1	2	4	3	2	4	—	2	20 W.
	N.W.	1	4	1	3	—	2	—	1	—	9	7	6	34 N.W.
	North	21	5	2	2	—	—	—	—	1	3	16	16	66 N.
	N.E.	4	5	4	3	—	2	1	3	4	4	6	5	41 N.E.
	East	3	6	5	3	1	7	4	12	11	3	1	1	57 E.
	S.E.	—	—	5	5	7	8	8	9	12	2	—	—	56 S.E.
	South	—	2	6	11	10	4	8	1	—	2	—	—	45 S.
	S.W.	—	5	7	3	12	5	6	2	—	4	—	1	45 S.W.
1819	West	3	2	—	—	—	2	—	1	1	—	1	1	11 W.
	N.W.	13	11	1	—	2	—	—	—	—	7	9	16	59 N.W.
	North	5	4	—	—	—	—	—	—	—	10	7	8	34 N.
	N.E.	6	2	2	3	1	1	1	2	3	3	11	6	41 N.E.
	East	—	4	6	1	3	6	10	12	10	3	2	—	57 E.
	S.E.	—	—	3	5	2	3	13	4	7	4	—	—	41 S.E.
	South	4	—	13	12	18	14	6	5	6	4	—	—	82 S.
	S.W.	—	5	6	9	5	4	1	7	3	—	—	—	40 S.W.

*Tables of the prevailing Winds in every Month of the Year, during eight Years, registered at the same times with the other Atmospheric Phenomena recorded in the foregoing Tables—continued.*

Years.	Winds.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in the Year.
1820	West	2	5	12	3	1	—	3	—	5	—	5	2	38 W.
	N.W.	8	3	2	—	1	—	—	—	2	6	3	5	30 N.W.
	North	17	8	—	—	—	—	—	—	—	10	19	17	71 N.
	N.E.	3	5	1	—	—	—	—	4	3	7	2	5	30 N.E.
	East	—	—	—	1	7	13	7	10	3	2	—	2	45 E.
	S.E.	—	—	—	2	7	3	2	10	4	—	—	—	28 S.E.
	South	—	2	2	19	12	9	15	7	3	4	—	—	73 S.
	S.W.	—	5	14	5	3	4	4	—	10	2	2	—	49 S.W.
1821	West	2	7	2	6	—	2	1	5	—	—	—	12	37 W.
	N.W.	7	—	—	2	—	—	—	—	1	19	25	14	68 N.W.
	North	4	2	2	—	—	—	—	—	—	1	—	—	9 N.
	N.E.	12	5	—	1	2	—	1	—	—	—	1	1	23 N.E.
	East	3	2	1	—	—	6	4	1	2	—	—	—	19 E.
	S.E.	3	8	9	10	10	7	13	11	13	3	2	2	91 S.E.
	South	1	4	5	2	13	3	5	1	—	—	—	—	34 S.
	S.W.	—	—	12	9	6	12	7	13	14	8	2	2	85 S.W.
1822	West	2	5	—	12	9	11	2	4	7	3	3	2	60 W.
	N.W.	11	12	2	3	3	5	—	—	—	11	26	27	100 N.W.
	North	2	—	1	—	1	—	—	—	—	—	—	2	6 N.
	N.E.	2	2	2	1	2	—	—	—	—	4	1	—	14 N.E.
	East	—	1	—	—	—	—	2	2	—	—	—	—	5 E.
	S.E.	1	2	9	1	5	14	11	4	7	2	—	—	56 S.E.
	South	—	—	5	—	3	—	—	2	3	3	—	—	16 S.
	S.W.	13	6	12	13	8	—	16	19	13	8	—	—	108 S.W.
1823	West	13	9	5	5	—	4	12	6	2	9	2	Not registered this Month.	67 W.
	N.W.	17	10	7	—	—	—	—	2	—	11	12		59 N.W.
	North	—	—	3	—	—	—	2	—	3	—	13		21 N.
	N.E.	—	—	—	—	—	—	—	2	3	2	3		10 N.E.
	East	—	1	—	—	1	4	1	7	11	1	—		26 E.
	S.E.	—	—	1	—	8	—	—	—	3	—	—		11 S.E.
	South	—	3	—	11	10	—	4	6	2	1	—		37 S.
	S.W.	1	—	7	13	5	22	12	8	6	7	—		81 S.W.